**Use Case** 15**: Generate Reports**

**Overview:**

This Use Case enables the user, the employee, to generate reports for customers.

**Preconditions:**

1. The user needs to select a customer in order to generate a relevant report.
2. The database is accessible.
3. The Report tab is displayed.

**Scenario**

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| Action | Software Reaction |
| 1. The user clicks on a text field box of “Client” and types in the customer name. | 1. The value from “Client” will be represented by letters unique to the customer name. |
| 1. The user clicks on a text field box of “Room” and types in a room value. | 1. The value from “Room” will be a numerical value representing the room number. |
| 1. The user clicks on text field of “Time period” and enters the dates of the requested report. | 1. The two text fields of “Time period” will have numerical values representing dates. |
| 1. The user clicks on Generate Report button to configure the maintenance request that was specified in the input fields. | 1. The report order will be queried from the database and displayed to the user. |

**Scenario Notes:**

Item 1 to 3 can be done in any order, so it does not affect each other.

**Postconditions:**

1. The report order will be queried in the database based on the specification provided.
2. The database will update to all relevant orders that have been changed

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| **Required GUI:**  **Mouse and keyboard** | **Use Cases Utilized:**  **none** |
| **Exceptions:**   1. The DB cannot be accessed. | **Timing Constraints:**  **none** |

